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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(219.004-US)

In re Application of: **Ushiki et al.**

Serial No: **10/078,357**

Filed: **February 21, 2002**

Title: **Semiconductor Manufacturing Device**



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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate of Mailing under 37 CFR 1.8**

I hereby certify that the attached Power of Attorney by Assignee, Revocation of All Prior Powers of Attorney and Certificate Under 37 CFR 3.73 (2 pages, including a copy of assignment recordation documents (7 pages) attached thereto) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on March 1, 2004.

  
\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
Print Name of Person Signing Certificate



Image  
2822

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 219.004-US)

In the Application of: **Ushiki et al.**

Serial No: **10/078,357**

Filed: **February 21, 2002**

Title: **SEMICONDUCTOR MANUFACTURING DEVICE**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**POWER OF ATTORNEY BY ASSIGNEE,  
REVOCATION OF ALL PRIOR POWERS OF ATTORNEY  
AND CERTIFICATE UNDER 37 CFR 3.73**

Sir:

The undersigned, being empowered to sign this Power of Attorney by Assignee, Revocation of All Previous Powers of Attorney and Certificate under 37 CFR 3.73 on behalf of Fab Solutions, Inc., the assignee of the entire right, title and interest in the above-referenced application, hereby revokes all prior powers of attorney and hereby appoints Neil A. Steinberg, Reg. No. 34,735, with full power of substitution and revocation to prosecute this application and to transact all business before the United States Patent and Trademark Office (hereinafter "the USPTO") in the above-referenced application.

Fab Solutions, Inc. certifies that it is the assignee of the entire right, title and interest in the above-referenced patent application by virtue of: (1) the assignments from the inventors, Takeo Ushiki, Keizo Yamada, and Yousuke Itagaki, to NEC Corporation; and (2) the assignment from NEC Corporation to Fab Solutions, Inc.

The inventors executed their assignments on February 14, 2002. On February 21, 2002, the assignments were recorded on Reel 012610, Frame 0887.

NEC Corporation executed its assignment on October 1, 2002. On January 10, 2003, the assignment was recorded on Reel 013654, Frame 0100.

A copy of the aforementioned assignments and recordation documentation are attached hereto.

The undersigned has reviewed all of the documents in the chain of title of the above-referenced application and, to the best of the undersigned's knowledge and belief, title is in Fab Solutions, Inc., the assignee identified above.

Please direct all correspondence in the above-referenced patent application to:

Neil A. Steinberg  
2665 Marine Way, Suite 1150  
Mountain View, California 94043  
Tel: 650-968-8079  
Fax: 650-968-8102

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so make are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon.

Date: 2/25/2004

  
\_\_\_\_\_  
Kuniaki Togasaki  
President & Chief Executive Officer  
Fab Solutions, Inc.



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

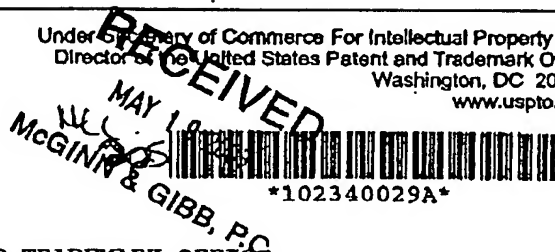


Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

MAY 15, 2003

PTAS

SEAN M. MCGINN, ESQ.  
MCGINN & GIBB, PLLC  
8321 OLD COURTHOUSE ROAD  
SUITE 200  
VIENNA, VIRGINIA 22182-3817



UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/10/2003

REEL/FRAME: 013654/0100  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
NEC CORPORATION

DOC DATE: 10/01/2002

ASSIGNEE:  
FAB SOLUTIONS, INC.  
NISSEI SHINMIZONOKUCHI BUILDING 5F  
3-5-7 HISAMOTO, TAKATSU-KU  
KAWASAKI KANAGAWA, JAPAN 213-0011

SERIAL NUMBER: 10078357  
PATENT NUMBER:

FILING DATE: 02/21/2002  
ISSUE DATE:

JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

## PATENT APPLICATION ASSIGNMENT

WHEREAS, NEC Corporation, a Japanese corporation, having its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001, Japan is the owner and assignee of record of the patent applications listed below;

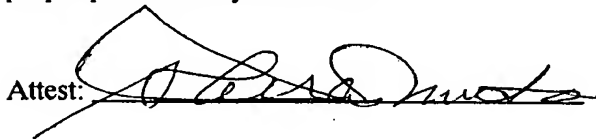
WHEREAS, Fab Solutions, Inc., a Japanese corporation, having its principal place of business at Nissei Shinmizonokuchi Bldg. 5F, 3-5-7 Hisamoto, Takatsu-ku, Kawasaki, Kanagawa 213-0011, Japan is desirous of obtaining the entire right, title, and interest in the patent applications listed below and inventions disclosed therein, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, receipt of which is hereby acknowledged, NEC Corporation, hereby sells, assigns and transfers to Fab Solutions, Inc., its successors and assigns, the Assignor's entire right, title and interest including rights to recover for past infringement in the below listed patent applications, the inventions disclosed therein, and to any and all patents for the United States of America, which may be granted thereon, and requests the Director- U.S. Patent and Trademark Office to issue any Letters Patents granted upon the inventions set forth in said Applications to the Assignee herein, its successors and assigns; and Assignor will execute without further consideration all papers deemed necessary by the Assignee in connection with said United States patent applications when called upon to do so by the Assignee.

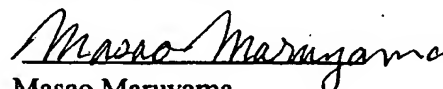
<u>Serial No.</u>	<u>Filing Date</u> (Year.Month.Day)
09/865528	2001.05.29
10/078357	2002.02.21

IN WITNESS WHEREOF, NEC Corporation has executed this Assignment by proper persons duly authorized.

Attest:



NEC Corporation



Masao Maruyama

Chief Manager

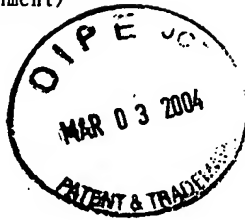
Planning Division

Intellectual Asset Operations Unit

Date: October 1, 2002



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



RECEIVED

APRIL 23, 2002

APR 30 2002

MCGINN & GIBB, PLLC  
SEAN M. MCGINN, ESQ.  
8321 OLD COURTHOUSE ROAD  
SUITE 200  
VIENNA, VA 22182-3817

PTAS

McGINN & GIBB, P.C.

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov



\*101998688A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/21/2002

REEL/FRAME: 012610/0887  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
USHIKI, TAKEO

DOC DATE: 02/14/2002

ASSIGNOR:  
YAMADA, KEIZO

DOC DATE: 02/14/2002

ASSIGNOR:  
ITAGAKI, YOUSUKE

DOC DATE: 02/14/2002

ASSIGNEE:  
NEC CORPORATION  
7-1, SHIBA 5-CHOME  
MINATO-KU  
TOKYO, JAPAN

SERIAL NUMBER: 10078357  
PATENT NUMBER:

FILING DATE: 02/21/2002  
ISSUE DATE:

1901048038 (出願報告 : Recorded Assignment)

012610/0887 PAGE 2

THERESA FREDERICK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

03-01-2002

02/21/02



Tab settings → → → ▼

To the Honorable Commissioner of Patents and Trademarks, 101998688 and original documents or copy thereof.

1. Name of conveying party(ies):

Takco Ushiki  
Kelzo Yamada  
Yousuke Itagaki

Additional names(s) of conveying party(ies)

I. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: February 14, 2002

2. Name and address of receiving party(ies):

Name: NEC Corporation

Address: 7-1, Shiba 5-chome, Minato-ku

City: Tokyo

State/Prov.: \_\_\_\_\_

Country: Japan

ZIP: \_\_\_\_\_

Additional name(s) & address(es)

☐ Yes ☒ No

A. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

February 14, 2002

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

☐ Yes ☐ No

Name and address of party to whom correspondence concerning document should be mailed:

Name: Sean M. McGinn, Esq.

Registration No. 34,386

Address: McGinn & Gibb, PLLC

8321 Old Courthouse Road

Suite 200

City: Vienna State/Prov.: Virginia

Country: USA ZIP: 22182-3817

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

50-0481

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Sean M. McGinn, Esq.

Name of Person Signing

Signature

February 21, 2002

Date

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Rev & Acknowledgment



## ASSIGNMENT OF APPLICATION FOR PATENT

NAME AND ADDRESS  
OF ASSIGNOR

WHEREAS : TAKEO USHIKI  
c/o NEC Corporation,  
7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan, and  
KEIZO YAMADA  
c/o NEC Corporation,  
7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan, and  
YOUSUKE ITAGAKI  
c/o NEC Corporation,  
7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

(HEREINAFTER REFERRED TO AS ASSIGNOR), have invented and  
own a certain new and useful invention entitled:

TITLE OF INVENTION:

SEMICONDUCTOR MANUFACTURING DEVICE

FULL NAME AND ADDRESS  
OF ASSIGNEE

WHEREAS : NEC Corporation  
7-1, Shiba 5-chome, Minato-ku,  
Tokyo, Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire  
right, title, and interest in, to and under said invention and the United States  
Letters Patent to be obtained therefor:

*NOW THEREFORE, TO ALL WHOM IT MAY CONCERN:* Be  
it known that in consideration of the payment of ASSIGNEE to  
ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is  
hereby acknowledged, and for other good and valuable consideration,  
ASSIGNOR, by these presents, hereby sells, assigns and transfers to  
ASSIGNEE the entire and exclusive right, title and interest to said  
invention and all Letters Patent of the United States to be obtained therefor  
on said application or any continuation, division, renewal, substitute or  
reissue thereof for the full term or terms for which the same may be  
granted.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents  
and Trademarks to issue said Letters Patent of the  
United States Patent obtained therefor on said application or any

continuation, division, renewal, substitute, reissue thereof for the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patent obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for may be granted, as full and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

DATE OF SIGNING


IN WITNESS WHEREOF, I/We have hereunto set

hand and seal this 14th day of February, 2002.

SIGNATURE

By: Takeo Ushiki   
TAKEO USHIKI

SIGNATURE

By: Keizo Yamada   
KEIZO YAMADA

SIGNATURE

By: Yousuke Itagaki   
YOUSUKE ITAGAKI

SIGNATURE

By: \_\_\_\_\_

SIGNATURE

By: \_\_\_\_\_

SIGNATURE

By: \_\_\_\_\_

SIGNATURE

By: \_\_\_\_\_

WITNESSES

Takeo Ushiki  
Keizo Yamada